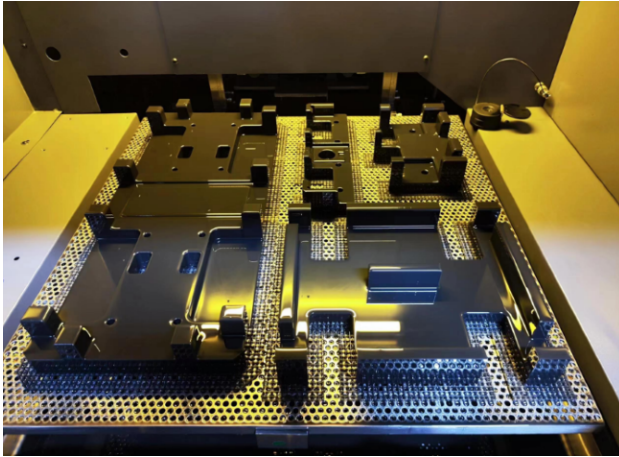


FIX C4

RESINS FOR SLA 3D PRINTING



MATERIAL NAME

FIX C4

COLOR

Black

PROCESS

SLA

PRODUCT DESCRIPTION

FIX C4 is a black light-curing molding resin for SLA, specially developed for tooling fixtures. The samples made with it are matte and pure black, with high color saturation and no need for spray painting, which greatly simplifies the post-processing process. It is suitable for printing parts and models such as tooling fixtures, electronic assemblies, fasteners, etc. The sample has small warpage, good toughness, high dimensional accuracy and stability, and is suitable for model printing that requires color in the electronics industry.

TYPICAL APPLICATIONS

- Functional prototype testing
- Assembly testing
- Jigs and fixtures

PRODUCT SAFETY

Handle printed parts according to normal workshop safety practices. Review material-specific handling, finishing, and operating requirements before use.

PRODUCT DELIVERY & WAREHOUSING

- **STORAGE**
Store parts in a clean, dry environment away from moisture, direct sunlight, and heat.
- **TRANSPORTATION**
Pack parts with cushioning and moisture protection. Avoid impact, compression, and prolonged exposure to heat during transit.

PROPERTIES OF PRINTED MATERIAL

Properties	Test Method	Value
Density (g/cm3)	ISO 1183	1.11 g/cm3
Hardness	ISO 868	Shore D 80
Tensile strength (MPa)	ISO 527	34 MPa
Tensile modulus (MPa)	ISO 527	1500 MPa
Elongation at break	ISO 527	14%
Flexural strength (MPa)	ISO 178	53 MPa
Flexural modulus (MPa)	ISO 178	1750 MPa
Heat deflection temperature @ 0.45 MPa (deg C)	ISO 75	HDT @ 0.45 MPa: 48 deg C
Heat deflection temperature @ 1.8 MPa (deg C)	ISO 75	HDT @ 1.8 MPa: 45 deg C
Impact strength notched	ASTM D256	30 J/m; ASTM D256 (Izod)

Tips: Want to explore a wider range of materials? Check out <https://www.unionfab.com/materials>